

3. Display 911 (D911) Service

D911 service, introduced in 1979, improves upon C911 service by forwarding to the PSAP for display the telephone number associated with the phone from which the 911 call is placed, i.e., automatic number identification ("ANI"), thus obviating the need to trace the call.^{5/} Like C911 service, D911 service requires the use of a special trunk circuit board in the originating end office and, as such, requires use of a dedicated facility between the PSAP and the end office.

The network configuration of D911 service is identical to C911 service, and is represented by Figure B-2.

4. Enhanced 911 (E911) Service

The most sophisticated of the 911 service offerings is E911 service, introduced in 1970. With E911 service the customer has the option of obtaining two features in addition to ANI: selective routing, and automatic location identification. E911 service can currently be provided only from 1/1AESS switches.

Selective routing ensures that a 911 call is routed to the correct PSAP. Except in 1/1AESS switches equipped with the E911

^{5/} D911 service was introduced after E911 service because of complaints by potential 911 customers about the cost of E911 service. The advantage of D911 service is that it can be provided from any switch capable of generating the ANI digits -- basically any switch capable of providing "equal access."

software package, a 911 call originating from a given end office can be routed to one PSAP only. The problem with this routing scheme is that the exchange boundaries of an end office often do not coincide with the jurisdictional boundaries of the 911 customer.^{6/} With selective routing, each 911 call is screened by the 1/1AESS switch so that the call can be "selectively" routed to the PSAP serving the caller's location.

Automatic location identification ("ALI") displays at the PSAP the caller's location plus other pertinent data necessary to expedite response to the emergency (e.g., whether the address is an apartment, the identity of the responsible police, fire and ambulance agency for the address shown). This information is stored in an ALI data base, owned and operated by U S WEST, that is connected to the PSAP.

Like C911 and D911 services, the provision of E911 service requires the use of dedicated facilities both between the PSAP and the selective routing office and between the selective routing switch and each end office in the 911 service area. When the 911 customer also orders the automatic location identification feature, dedicated facilities are also required between the PSAP and the serving ALI data base.

The network configuration for a typical E911 system is shown in Figure B-3.

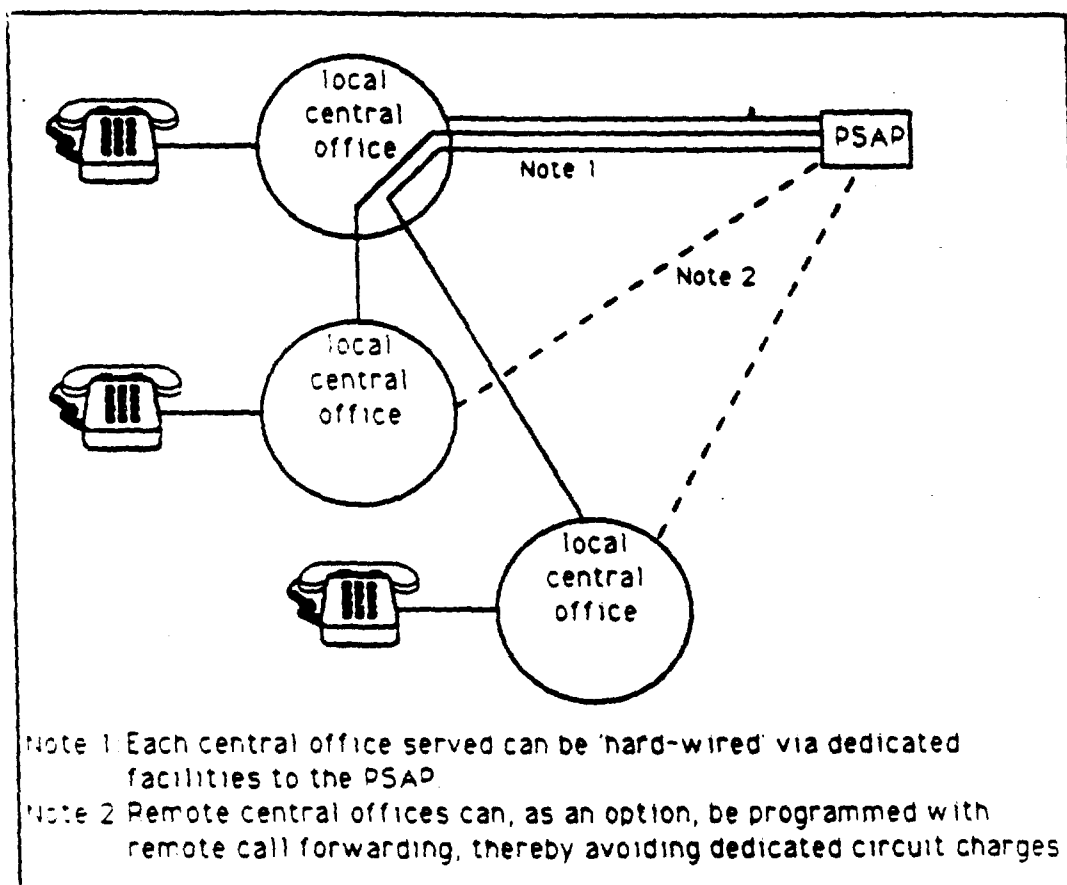
^{6/} This is evidenced by the 911 waiver U S WEST filed on July 26, 1988 where the Bailey switch serves residents of both Park and Jefferson counties, each of which has its own fire, police and medical emergency services.

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Figure: B-1

B911 network alternatives

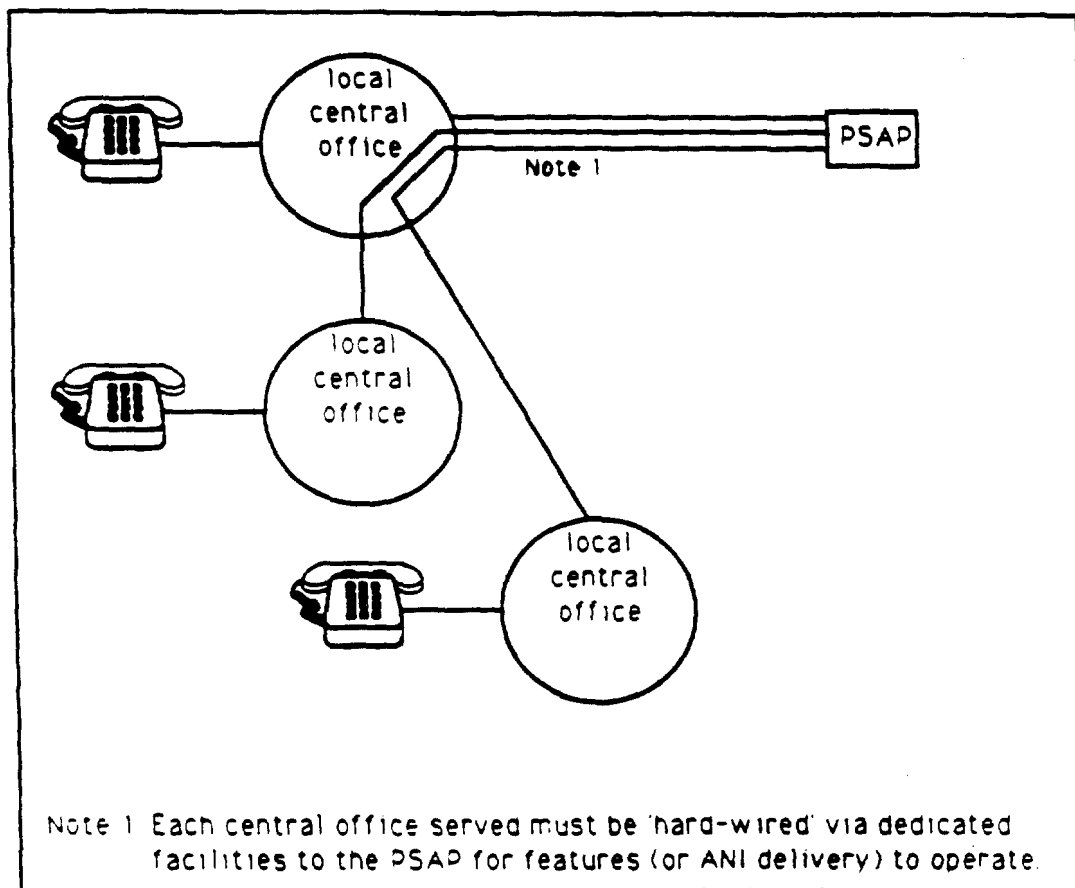


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Figure: B- 2

C911 & D911 network

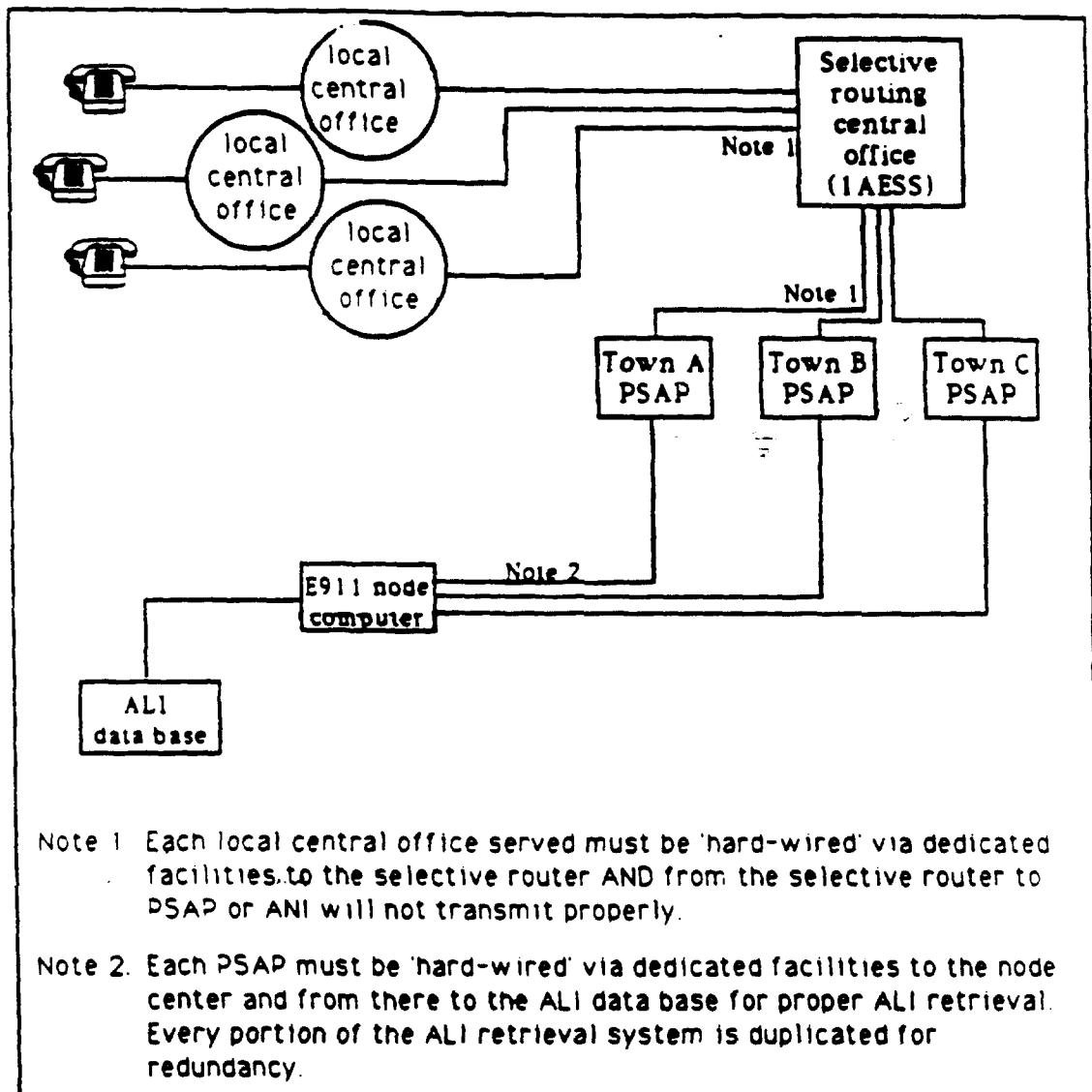


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Figure: B-3

E911 network diagram





ATTACHMENT C

AN EQUAL OPPORTUNITY EMPLOYMENT ACT

Executive Department

EMERGENCY MANAGEMENT DIVISION

COMMUNICATIONS / 9-1-1 PROGRAM, PHONE (503) 373-7457

43 STATE CAPITOL, SALEM, OREGON 97310 PHONE (503) 373-4124

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M E M O R A N D U M

September 26, 1988

To: Vic Anderson, Telephone Utilities of Oregon
Maury Astley, Oregon Independent Telephone Assn.
Libby Dougan, Lincoln County Communications Agency
Jerry Farr, US West Communications
Linda Hemelstrand, US West Communications
Pat Hickey, AT&T Communications
Marv Hodgins, AT&T Communications
Judy Irwin, US West Communications
Michael Jordan, US West Communications
Dick Petrone, US West Communications
Al Pipinich, Malheur Bell
Roger Ridings, US West Communications
Donna Rush, City of Huntington
Kenneth Sandner, Stayton Cooperative Telephone Co.
Dick Slinger, Linn County Sheriff's Office
Boyd Spiker, Scio Mutual Telephone Assn.
Don Taylor, Interexchange Carriers
Jerry Tingey, US West Communications
Rod Tracy, US West Communications
Gerry Wiese, Santiam Canyon Communications Center
Gary Wilhelms, US West Communications

From: David C. Yandell, Manager,
Communications/9-1-1 Program

Subject: Inter-LATA Services Problem

We are requesting that you or your designated representative attend a meeting to be held on Monday, October 10, 1988 at 2:00 PM in Room 454 of the State Capitol Building in Salem.

The purpose of the meeting will be to initiate a process of resolving the problem which inter-LATA transport regulations create for 9-1-1 emergency telephone service.

In Oregon, we have at least six such areas, two of which are significant enough in circuit cost alone to threaten the completion of our legislatively mandated implementation effort. The problem

Interested Parties/Inter-LATA Service Problem
September 26, 1988
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and to develop a better of understanding about inter-LATA service and the regulations thereof.

Should you have any questions prior to the meeting, please feel free to give me a call or contact Mr. Ken Keim, Field Coordinator with our program.

DCY:af

ATTACHMENT D

**POTENTIAL MISMATCHES OF
LATA BOUNDARIES AND 911 AREAS
WITHIN THE U S WEST REGION (46)**

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<u>COUNTY</u>	<u>PSAP's LATA</u>	<u>OTHER LATA</u>
Arizona (6)		
Apache	Phoenix	New Mexico
Gila	Tucson	Phoenix
Navajo	Phoenix	New Mexico
Pima	Tucson	Phoenix
Pinal	Phoenix	Tucson
Yuma	Phoenix	(?)Blythe, Calif
Colorado (10)		
Eagle	Denver	Colorado Springs
Elbert	Denver	Colorado Springs
Hinsdale	Denver	Colorado Springs
Larimer	Denver	Wyoming
Mineral	Colorado Springs	Denver
Moffet	Denver	Wyoming
Park	Colorado Springs	Denver
Routt	Denver	Wyoming & Utah
Saguache	Colorado Springs	Denver
Weld	Denver	Wyoming
Idaho (2)		
Idaho	Spokane	Idaho
Valley	Idaho	Spokane
Montana (9)		
Braodwater	Great Falls	Billings
Carter	Billings	So. Dakota & Wyoming
Fergus	Great Falls	Billings
Gallatin	Billings	Great Falls
Jefferson	Great Falls	Billings
Lincoln	Spokane	Great Falls
Meagher	Billings	Great Falls
Phillips	Great Falls	Billings
Wheatland	Billings	Great Falls

ATTACHMENT D
911/LATA MISMATCHES
PAGE TWO

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<u>COUNTY</u>	<u>PSAP's LATA</u>	<u>OTHER LATA</u>
New Mexico (4)		
Eddy	New Mexico	El Paso
Dona Ana	New Mexico	El Paso
Hidalgo	New Mexico	Tucson
Otero	New Mexico	El Paso
Oregon (8)		
Klamath	Eugene	Portland
Lake	Eugene	Portland
Lincoln	Eugene	Portland
Linn	Eugene	Portland
Malhuer	Idaho	Portland
Marion	Portland	Eugene
Umatilla	Portland	Spokane
Wallowa	Portland	Spokane
Utah (2)		
Boxelder	Utah	Idaho
San Juan	Utah	New Mexico
Wyoming (5)		
Crook	Wyoming	Billings and So. Dakota
Niobara	Wyoming	Grand Island
Park	Wyoming	Billings
Platte	Wyoming	Grand Island
Teton	Wyoming	Billings

CERTIFICATE OF SERVICE

I, Michael F. Altschul, one of the attorneys for the United States, hereby certify that I have on this day caused to be served the Motion of the United States for a Waiver of the Modification of Final Judgment to Permit the BOCs to Provide MultiLATA 911 Service by mailing a copy, postage prepaid, to each of the individuals and organizations on the attached service list.


Michael F. Altschul

November 17, 1988